Volume 49

Cumulative Contents

Issue 1 — April 1991

Review

J.C. Koella (Switzerland)
On the use of mathematical models of malaria transmission 1

Original Research Papers

D.M. Mwamachi, F.R. Rurangirwa, A.J. Musoke and T.C. McGuire (Kenya, U.S.A.)
Clone-specific immune colostrum induces increased resistance in goat kids challenged with *Trypanosoma congolense* 27

B.V. Hofkin, G.A. Stryker, D.K. Koech and E.S. Loker (U.S.A., Kenya)
Consumption of *Biomphalaria glabrata* egg masses and juveniles by the ampullariid snails *Pila ovata*, *Lanistes carinatus* and *Marisa cornuarietis* 37

A.C. Vickery, K.H. Albertine, J.K. Nayar and B.H. Kwa (U.S.A.)
Histopathology of *Brugia malayi*-infected nude mice after immune-reconstitution 45

I.A. Sutherland, S.K. Moloo, P.H. Holmes and A.S. Peregrine (U.K., Kenya)
Therapeutic and prophylactic activity of isometamidium chloride against a tsetse-transmitted drug-resistant clone of *Trypanosoma congolense* in Boran cattle 57

Short Communications

K. Miyamoto, M. Nakao, N. Sato and M. Mori (Japan)
Isolation of Lyme disease spirochetes from an ixodid tick in Hokkaido, Japan 65

S. Buddhu, P.G. Penketh, A.A. Divo, K. Shyam, C.L. Patton and A.C. Sartorelli (U.S.A.)
Enhancement of the trypanocidal activity of methyltriazenes in an animal model by the addition of an amidino group 69

M.J. Otte and J.Y. Abuabara (Colombia)
Transmission of South American *Trypanosoma vivax* by the neotropical horsefly *Tabanus nebulosus* 73

Issue 2 — June 1991

J.M. Ndung'u, P.D. Eckersall and F.W. Jennings (U.K.)
Elevation of the concentration of acute phase proteins in dogs infected with *Trypanosoma brucei* 77

K.J. Njunwa, J.D. Lines, S.M. Magesa, A.E.P. Mnzava, T.J. Wilkes, M. Alilio, K. Kivumbi and C.F. Curtis (Tanzania, U.K.)
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 1. Operational methods and acceptability 87

S.M. Magesa, T.J. Wilkes, A.E.P. Mnzava, K.J. Njunwa, J. Myamba, M.D.P. Kivuyo, N. Hill, J.D. Lines and C.F. Curtis (Tanzania, U.K.)
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 2. Effects on the malaria vector population 97

E.I.P. Kamanga-Sollo, A.J. Musoke, V.M. Nantulya, F.R. Rurangirwa and R.A. Masake (Kenya)
Differences between N'Dama and Boran cattle in the ability of their peripheral blood leucocytes to bind antibody-coated trypanosomes 109

A.B. Umotong, E.N.U. Ezedinachi, A.A. Okerengwo, E.A. Usanga, J.J. Udo and A.I.O. Williams (Nigeria)
Correlation between in vivo and in vitro response of chloroquine-resistant *Plasmodium falciparum* in Calabar, South-Eastern Nigeria 119

P. Truc, F. Mathieu-Daudé and M. Tibayrenc (France)
Multilocus isozyme identification of *Trypanosoma brucei* stocks isolated in Central Africa: evidence for an animal reservoir of sleeping sickness in Congo 127

G.A. Stryker, D.K. Koech and E.S. Loker (U.S.A., Kenya)
Growth of *Biomphalaria glabrata* populations in the presence of the ampullariid snails *Pila ovata*, *Lanistes carinatus* and *Marisa cornuarietis* 137

A. Bchir, B. Larouze, M. Soltani, A. Hamdi, H. Bouhaouala, S. Ducic, L. Bouden, A. Ganouni, H. Achour, C. Gaudebout, J.J. Rousset and M. Jemmali (Tunisia, France)
Echotomographic and serological population-based study of hydatidosis in Central Tunisia 149

Acta Tropica – Instructions to Authors 154

Announcements – 33rd International Colloquium/26th Trypanosomiasis Seminar and Second Short Course in Clinical Tropical Medicine 156

Issue 3 — August 1991

E.O. Lyimo, F.H.M. Msuya, R.T. Rwegoshora, E.A. Nicholson, A.E.P. Mnzava, J.D. Lines and C.F. Curtis (Tanzania, U.K.)
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 3. Effects on the prevalence of malaria parasitaemia and fever 157

F.H.M. Msuya and C.F. Curtis (Tanzania, U.K.)
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 4. Effects on incidence of malaria infection 165

R.O. Olubayo, S. Mihok, D.F. Wesonga and E.R.M. Mbwabi (Kenya)
Pathogenicity of tsetse-transmitted *Trypanosoma congolense* for waterbuck (*Kobus defassa*) and Boran cattle (*Bos indicus*) 173

S. Mihok, R.O. Olubayo and D.F. Wesonga (Kenya)
Infection rates in *Glossina morsitans morsitans* fed on waterbuck and Boran cattle infected with *Trypanosoma congolense* 185

D.V. Sutherland, C.A. Ross and A.G. Luckins (U.K.)
Trypanosoma congolense: Re-expression of a deleted metacyclic variable antigen type in vivo and in vitro 193

I.E. Elrayah and R. Kaminsky (Kenya)
The effect of diminazene aceturate and isometamidium chloride on cultured procyclic forms of susceptible and drug-resistant *Trypanosoma congolense* 201

R. Kaminsky and E. Zweygarth (Kenya, F.R.G.)
The effect of verapamil alone and in combination with trypanocides on multidrug-resistant *Trypanosoma brucei brucei* 215

E.E. Osim, B.J. Adegunloye and A.O. Emeribe (Nigeria)
In vivo platelet aggregation in acute malaria 227

321

Z.-R. Lun, Z.-P. Min, D. Huang, J.-X. Liang, X.-F. Yang and Y.-T. Huang (People's Republic of China)
Cymelarsan in the treatment of buffaloes naturally infected with *Trypanosoma evansi* in South China 233

Short Communication
J. Schweizer, H. Pospichal and L. Jenni (Switzerland)
Hybrid formation between African trypanosomes in vitro 237

Issue 4 — September 1991

Review
M.E.J. Woolhouse (U.K.)
On the application of mathematical models of schistosome transmission dynamics. I. Natural transmission 241

Original Research Papers
A. Martínez-Arends, F.J. Tapia, G. Cáceres-Dittmar, W. Mosca, L. Valecillos and J. Convit (Venezuela)
Immunocytochemical characterization of immune cells in lesions of American cutaneous leishmaniasis using novel T cell markers 271

O. Mercereau-Puijalon, C. Jacquemot and J.-L. Sarthou (France, Senegal)
A study of the genomic diversity of *Plasmodium falciparum* in Senegal. 1. Typing by Southern blot analysis 281

O. Mercereau-Puijalon, T. Fandeur, S. Bonnefoy, C. Jacquemot and J.-L. Sarthou (France, Senegal)
A study of the genomic diversity of *Plasmodium falciparum* in Senegal. 2. Typing by the use of the polymerase chain reaction 293

M. Pinder (Gabon)
The improvement of maintenance conditions for wild-caught *Chrysops silacea* and the production of infective larvae of *Loa loa* 305

Author Index vol. 49 313

Key Word Index vol. 49 317

Cumulative Contents vol. 49 319